

1 CLAIMS

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3 We Claim:

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5 1. An underdeck pontoon lift system, comprising:
6 a base structure;
7 a plurality of lifting jacks pivotally attached to said base structure, said lifting
8 jacks comprised of a plurality of front lifting jacks and at least one rear lifting jack;
9 a support bed pivotally attached to said lifting jacks opposite of said base
10 structure in a cantilever manner, wherein said support bed has a first width that is at
11 least 20 percent less than a second width of said base structure;
12 a front structure extending upwardly from said base structure; and
13 an elevating unit attached to said front structure for manipulating said lifting
14 jacks from a lowered position to a raised position.

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17 2. The underdeck pontoon lift system of Claim 1, wherein said first width is
18 approximately 43 inches.

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21 3. The underdeck pontoon lift system of Claim 1, wherein said second width of
22 said base structure is approximately 60 inches.

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26 4. The underdeck pontoon lift system of Claim 1, wherein said first width is
27 approximately 43 inches and wherein said second width of said base structure is
28 approximately 60 inches.

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2 5. The underdeck pontoon lift system of Claim 1, wherein said lifting jacks
3 each are comprised of an inverted U-shaped base member and a pair of support
4 members extending upwardly from said base member.
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7 6. The underdeck pontoon lift system of Claim 5, wherein a third width of said
8 support members is at least 30 percent less than a fourth width of said base member.
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11 7. The underdeck pontoon lift system of Claim 6, wherein said third width is
12 between 31 inches to 36 inches.
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15 8. The underdeck pontoon lift system of Claim 6, wherein said fourth width is
16 approximately 49.5 inches.
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19 9. The underdeck pontoon lift system of Claim 6, wherein said third width is
20 between 31 inches to 36 inches and wherein said fourth width is approximately 49.5
21 inches.
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24 10. The underdeck pontoon lift system of Claim 9, wherein said first width is
25 approximately 43 inches and wherein said second width of said base structure is
26 approximately 60 inches.
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1 11. The underdeck pontoon lift system of Claim 5, wherein said lifting jacks
2 include at least one support cross member extending between said support members.

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5 12. The underdeck pontoon lift system of Claim 11, wherein said rear lifting
6 jack includes a pair of angled members extending between said support cross member
7 and said support members.

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10 13. The underdeck pontoon lift system of Claim 1, wherein said support bed
11 includes a rear tapered portion that tapers inwardly for assisting in loading of a
12 pontoon.

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15 14. The underdeck pontoon lift system of Claim 1, wherein said lifting jacks
16 are pivotally attached to corresponding cross members that extend between a pair of
17 side members of said base structure.

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20 15. The underdeck pontoon lift system of Claim 1, wherein said front lifting
21 jacks are pivotally attached to bed cross members that extend between a pair of rails of
22 said support bed.

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25 16. The underdeck pontoon lift system of Claim 15, wherein said rear lifting
26 jack is pivotally attached to said rails of said support bed.

1 17. The underdeck pontoon lift system of Claim 1, wherein said front structure
2 includes a pair of front support members attached to a supporting cross member of said
3 base structure.